







a first concave mirror for converting the optical rays passing through the optical ray input section into parallel rays,

a diffraction grating for separating the parallel rays by wavelength into diffracted rays,

a second concave mirror for condensing the diffracted rays when the diffracted rays are input,

an optical ray output section which limits a wavelength band width of the condensed rays, and

a substrate formed of a composite of aluminum and ceramic to which the optical ray input section, the first concave mirror, the diffraction grating, the second concave mirror, and the optical ray output section are fixed;

wherein a coefficient of linear expansion of a focal length of the first concave mirror, a coefficient of linear expansion of a focal length of the second concave mirror, and a coefficient of linear expansion of a material forming the substrate are approximately the same.

19. (New) The monochromator as claimed in claim 18 wherein each of said first concave mirror and second concave mirror is of glass.

20. (New) A monochromator comprising:

an optical ray input section which limits the width of optical rays input from a light source,

a first concave mirror for converting the optical rays passing through the optical ray input section into parallel rays,

a diffraction grating for separating the parallel rays by wavelength into diffracted rays,



